

For Research Use Only

# SP100 Recombinant antibody

Catalog Number: 84012-4-RR



## Basic Information

<b>Catalog Number:</b> 84012-4-RR	<b>GenBank Accession Number:</b> BC011562	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 6672	<b>CloneNo.:</b> 241153F3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P23497	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> SP100 nuclear antigen	
<b>Immunogen Catalog Number:</b> AG35193	<b>Calculated MW:</b> 879 aa, 100 kDa	
	<b>Observed MW:</b> 70-100 kDa	

## Applications

**Tested Applications:**  
WB, ELISA

**Species Specificity:**  
human, mouse, rat

### Positive Controls:

**WB :** A431 cells, HeLa cells, Jurkat cells, MCF-7 cells, mouse spleen tissue, rat spleen tissue, mouse colon tissue

## Background Information

SP100 nuclear antigen, belongs to the nuclear bodies (NBs), has a role in the control of gene expression. It contains a HSR domain, which is important for the nuclear body targeting as well as for the dimerization, and one PxVxL motif, which is important for interaction with chromoshadow domains. Sp100 is an acidic protein that exerts a highly aberrant electrophoretic mobility in SDS-polyacrylamide gel electrophoresis.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

*Aliquoting is unnecessary for -20°C storage*

For technical support and original validation data for this product please contact:

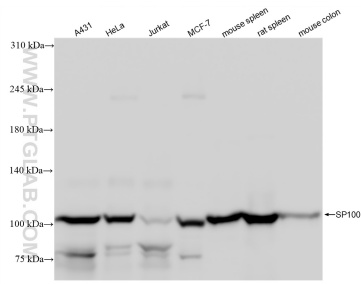
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

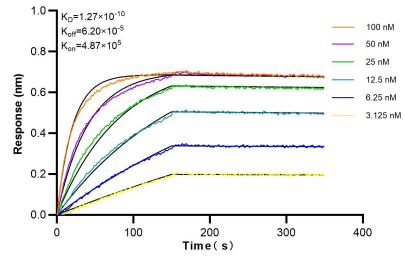
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84012-4-RR (SP100 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84012-4-RR against Human SP100 were performed. The affinity constant is 0.127 nM.